

AMENDMENTS TO THE CLAIMS

1. (Original) A liquid dispensing device for use in the flush cistern of a water closet, the device comprising: a liquid formulation, a reservoir for the liquid formulation, means for maintaining the level of the liquid formulation in the reservoir at a predetermined level, an outlet through which the liquid formulation is dispensed, and means for dispensing a quantity of the liquid formulation via the outlet, wherein the means for dispensing a quantity of the liquid formulation via the outlet comprises means for temporarily increasing the level of the liquid formulation in the reservoir so that the liquid formulation enters the outlet.

2. (Original) A liquid dispensing device as claimed in claim 1, wherein the means for dispensing a quantity of liquid formulation is actuated, in use, by the change in water level of the flush cistern when it is actuated.

3. (Currently amended) A liquid dispensing device as claimed in claim 1 ~~or 2~~, wherein the means for temporarily increasing the level of the liquid formulation in the reservoir comprises a displacement body which is movable between a first position and a second position, and means is provided for moving the displacement body from the first position to the second position to dispense a quantity of the liquid formulation from the reservoir via the outlet.

4. (Original) A liquid dispensing device as claimed in claim 3, wherein the displacement body is a magnet.

5. (Original) A liquid dispensing device as claimed in claim 4, wherein the means for moving the displacement body comprises a movable member which includes another magnet.

6. (Original) A liquid dispensing device as claimed in claim 3 wherein the displacement body is a core of a solenoid, an electrical coil surrounds the core, and the coil is energised to move the displacement body in at least one direction.

7. (Currently amended) A liquid dispensing device as claimed in ~~any one of claims 1 to 6~~ claim 3, wherein a piston housing is disposed within the reservoir, and the displacement body is housed within the piston housing to form a piston.

8. (Original) A liquid dispensing device as claimed in claim 7, wherein the fit of the piston in the housing allows the piston to pump liquid from the housing when it is moved from the first position to the second position, and liquid can seep past the piston in the housing when it is stationary.

9. (Canceled).

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Original) A dispensing device for dispensing liquid into a toilet cistern, the device comprising a piston housing, a piston movable in the housing to pump liquid from the housing, a float positioned, in use, to be raised and lowered by the water in the cistern as the water level changes, the float being operatively coupled to the piston to cause movement of the piston to pump liquid from the housing.

14. (Original) A dispensing device as claimed in claim 13, in which the piston pumps liquid from the housing as the float falls.

15. (Original) A dispensing device as claimed in claim 13, in which the piston pumps liquid from the housing as the float rises.

16. (Currently amended) A dispensing device as claimed in claim 13, ~~14 or 15~~, comprising a reservoir for the liquid and in which piston housing is replenished from the reservoir.

17. (Original) A dispensing device as claimed in claim 16, in which the reservoir is fed from a supply of the liquid and a constant head device is provided for maintaining a substantially constant level of liquid in the reservoir.

18. (Currently amended) A dispensing device as claimed in claim 16 ~~or 17~~, in which the reservoir feeds liquid into the piston housing through a space between the piston and the housing wall.

19. (Currently amended) A dispensing device as claimed ~~in any one of claims 13 to 18~~ claim 13, in which the float is magnetically coupled to the piston.

20. (Currently amended) A dispensing device as claimed ~~in any one of claims 13 to 18~~ claim 13, in which the float is mechanically coupled to the piston.

21. (Original) A dispensing device comprising a strap for suspending the device in a toilet cistern, a container of liquid, a body housing a piston in a piston chamber, the piston chamber having an outlet for liquid to be pumped from the device

by movement of the piston, a conduit for supplying liquid from the container to the piston chamber, and a float which is operatively coupled to the piston to move the piston as the float moves, the float being moved in use by the rise and fall of water in the cistern.

22. (Original) A dispensing device comprising a strap for suspending the device in a toilet cistern, a container of liquid, a body housing a piston in a piston chamber, the piston chamber having an outlet for liquid to be pumped from the device by movement of the piston, a conduit for supplying liquid from the container to the piston chamber, wherein the piston is electrically operated.

23. (Original) A dispensing device as claimed in claim 22, wherein the piston is actuated by a solenoid.

24. (Original) A dispensing device as claimed in claim 23, wherein the piston is the armature of the solenoid.

25. (New) A dispensing device as claimed in claim 21, wherein the conduit includes a reservoir for the liquid, the container of liquid is positioned above the reservoir and feeds liquid into the reservoir via a constant head device which maintains, in use, a substantially constant level of liquid in the reservoir.

26. (New) A dispensing device as claimed in claim 25, wherein the float is positioned, in use, below the piston, whereby the piston is raised by the rise of water in the cistern, and the piston is lowered by the downward movement of the float as the water falls, the piston chamber is provided at the lower end of the piston chamber and

the liquid is pumped from the chamber through the chamber outlet as the piston is lowered.

27. (New) A dispensing device as claimed in claim 26, wherein the chamber outlet is fluidly connected with an upwardly extending bore having an outlet at an upper end thereof, and liquid is pumped through said bore and over said outlet.